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#19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/621,781B

DATE: 04/21/2003

TIME: 15:28:56

Input Set : A:\09621781SubSeqList.txt

Output Set: N:\CRF4\04212003\I621781B.raw

```

4 <110> APPLICANT: Fisher, Paul
5      Su, Zao-Zhong
7 <120> TITLE OF INVENTION: Nucleic Acids Comprising Regions of the
8      Rat PEG-3 Promoter that Display Elevated Expression in Human
9      Cancer Cells and Uses Thereof
12 <130> FILE REFERENCE: A34690
14 <140> CURRENT APPLICATION NUMBER: 09/621,781B
15 <141> CURRENT FILING DATE: 2000-07-21
17 <160> NUMBER OF SEQ ID NOS: 12
19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 1970
23 <212> TYPE: DNA
24 <213> ORGANISM: Rattus norvegicus
26 <220> FEATURE:
27 <221> NAME/KEY: promoter
28 <222> LOCATION: (1507)...(1970)
29 <223> OTHER INFORMATION: PEG-3 Promoter (corresponds to -270 to +194 of
30      Figure 2)
32 <221> NAME/KEY: protein_bind
33 <222> LOCATION: (1672)...(1677)
34 <223> OTHER INFORMATION: PEA3 protein binding site
W--> 36 <221> TATA_signal
37 <222> LOCATION: (1748)...(1753)
W--> 39 <221> misc_feature
40 <222> LOCATION: (1777)...(1777)
41 <223> OTHER INFORMATION: RNA cap site (corresponds to +1 of Figure 2)
W--> 43 <221> protein_bind
44 <222> LOCATION: (1781)...(1787)
45 <223> OTHER INFORMATION: AP1 protein binding site
W--> 47 <400> 1
48 acatgggcac gcgtggtcga cggcccgggc tggctgggca acacgggttc agcccaggtt 60
49 tcatagtaag ttccagacac tcctggaaaa acaatacagg tccctgacaa aagaaaaaac 120
50 aaaacaaagg aaacagaaac atgcgttttt aaaaaagaag gaggagactc catgaaggca 180
51 ggccttggtt ggggtcactg cttctctgta cacaggagga gaattgccaa gatcttccgg 240
52 acagtgtgga ctatactgta agaccctctc aatacagaca gactggacag gcatagtac 300
53 acatgccttt aatgcctgca gtactcagga ggaggtggca ggtggaacgg ctgttctttg 360
54 aggttcaaga ccagcgtgga ctacagagtg agttccagga caggcagggc tacacagaaa 420
55 aatcctgtct gaaaacaaaa caaaacccag acagacacac caaaaacagc caagggacca 480
56 gagagatggg tcagggccta atcacttgct actctttgca gaggacccaa atttagttcc 540
57 tataaccctc catgagaagc ttcacaattg tctctaactc aattccaccc gtgttccgac 600
58 ctcccatatg caccagacat gttatactca cacatacgca caaacacaca cacacacaca 660
59 cacacacaca cacacacaca cacacacaca cggaaaacat ataaaataaa gatttaaaaa 720

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60 atcttttttct tttggccggg gtgtgtggga gagcatctga gccatctcac cagcccaggg 780
61 tgcacgtctt tttctttttt tcggagctgg ggaccgaacc cagagccttg tgcttgctag 840
62 gcaagtgtc taccactgag ctaaatcccc aaccccggag cacgtcttta atcccagaat 900
63 caggaggtag aggtaatgag atcccagtg gcccaaggtc agccgagttt acaaagttag 960
64 ttccaggaca gccagaacta atcttgga aaacaacaag ggctgggtgag gtggttcagt 1020
65 agttaagaac actggctgct cttccagagg tctgagttc attctcagta accacatggt 1080
66 ggggatctga tgctgttct ggcatgcaga tatacatgca gatagtgcac tctacattt 1140
67 aaaaaaaaaa gacataaata atattttaaa acattgggcg ttttgtcttc taataaaact 1200
68 tcaactgctat cttctaataa aaattcactg ctagccgcgg ggtgtggtgc cccatacct 1260
69 ttaatcccaa caacttgaga ggcagaggca ggcggacctt tgagtttgaa gctagcctgg 1320
70 tctacagagt gagttcaaga tagccacgga tagtcagaaa gtctgtttc gaacctctcc 1380
71 ccaaccaa at cactcctgta atcccagcac tctggaggca gtagcaggtt agtccctgct 1440
72 tctcagagag aggagagaga gagagagaga gaggagacac acacacacag agacagagag 1500
73 gagagagaaa gagaaagaga atgggacagc atgtgactgc ctgatgaagt tggcgtgctt 1560
74 gctcaaaagt tctgcgagat tgacggctct ctggatttga gccaaaggaca cgcctgggaa 1620
75 gccacggtga cctcacaagg cccggaatct ccgcgagaat ttcagtgttg ttttctctc 1680
76 tccaccttct tcagggactt ccgaaactcc gcctctccgg tgacgtcagc atagcgctgc 1740
77 gtcagactat aaactcccgg gtgatcgtgt tggcgagat tgactcagtt cgcagcttgt 1800
78 ggaagattac atgcgagacc ccgcgcgact ccgcacccct ttgccgggac agcctttgcg 1860
79 acagcccgtg agacatcacg tccccgagcc ccacgcctga gggcgacatg aacgcgctgg 1920
80 ccttgagagc aatccggacc cacgacgct tttggcaaac cgaaccggac 1970

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82 <210> SEQ ID NO: 2

83 <211> LENGTH: 28

84 <212> TYPE: DNA

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: synthetic oligonucleotide

90 <400> SEQUENCE: 2

91 gatctagggg gttgtgagag gatcggag

28

93 <210> SEQ ID NO: 3

94 <211> LENGTH: 25

95 <212> TYPE: DNA

96 <213> ORGANISM: Artificial Sequence

98 <220> FEATURE:

99 <223> OTHER INFORMATION: synthetic oligonucleotide

101 <400> SEQUENCE: 3

102 tcggtttgcc aaaagcgatc gtggg

25

104 <210> SEQ ID NO: 4

105 <211> LENGTH: 35

106 <212> TYPE: DNA

107 <213> ORGANISM: Artificial Sequence

109 <220> FEATURE:

110 <223> OTHER INFORMATION: synthetic oligonucleotide

112 <400> SEQUENCE: 4

113 ggcaaaggga tgcggagtcg cgcgggtctc gcatg

35

115 <210> SEQ ID NO: 5

116 <211> LENGTH: 20

117 <212> TYPE: DNA

118 <213> ORGANISM: Artificial Sequence

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Input Set : A:\09621781SubSeqList.txt

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120 <220> FEATURE:
121 <223> OTHER INFORMATION: synthetic oligonucleotide
123 <400> SEQUENCE: 5
124 cgcagattga ctcagttcgc 20
126 <210> SEQ ID NO: 6
127 <211> LENGTH: 18
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: synthetic oligonucleotide
134 <400> SEQUENCE: 6
135 gtctaactga gtcaagcg 18
137 <210> SEQ ID NO: 7
138 <211> LENGTH: 19
139 <212> TYPE: DNA
140 <213> ORGANISM: Artificial Sequence
142 <220> FEATURE:
143 <223> OTHER INFORMATION: synthetic oligonucleotide
145 <400> SEQUENCE: 7
146 cgcagataaa ctagttcgc 19
148 <210> SEQ ID NO: 8
149 <211> LENGTH: 20
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial Sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: synthetic oligonucleotide
156 <400> SEQUENCE: 8
157 gcgtctatatt gatgcaagcg 20
159 <210> SEQ ID NO: 9
160 <211> LENGTH: 20
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: synthetic oligonucleotide
167 <400> SEQUENCE: 9
168 gtgttggtttt cctctctcca 20
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 20
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: synthetic oligonucleotide
178 <400> SEQUENCE: 10
179 cacaacaaaa ggagagaggt 20
181 <210> SEQ ID NO: 11
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:

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Input Set : A:\09621781SubSeqList.txt
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187 <223> OTHER INFORMATION: synthetic oligonucleotide
189 <400> SEQUENCE: 11 20
190 gtgttggtcc catctctcca
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 20
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: synthetic oligonucleotide
200 <400> SEQUENCE: 12 20
201 cacaacaagg gtagagaggt

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/621,781B

DATE: 04/21/2003

TIME: 15:28:57

Input Set : A:\09621781SubSeqList.txt

Output Set: N:\CRF4\04212003\I621781B.raw

L:36 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:39 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:43 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1
L:47 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1